

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Ken Museth, et al.
Serial No. : 10/783,201
Filed : Feb. 19, 2004
Title : LEVEL SET SURFACE EDITING OPERATORS
Group/Division : To be assigned
Examiner : To be assigned
Our Reference : 7975-0056/CIT-3849

CERTIFICATE OF MAILING 37 C.F.R. 1.8

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Mary Helen Lopez

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §1.56 AND §§1.97-1.98

Commissioner of Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

The citations listed on the enclosed PTO/SB/08A Form are submitted under 37 C.F.R. §§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56. The Examiner is requested to make these citations officially of record in the application.

This information disclosure statement is filed in accordance with 37 C.F.R. § 1.97(b)(1), as it is within three months of the filing date of the above referenced application.

This Information Disclosure Statement Under 37 C.F.R. §1.56 is not to be construed as a representation that any of the listed citations establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of any claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicants, or that additional information relevant to the examination of this application does not exist unbeknownst to

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Page 2

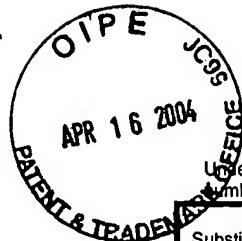
Applicants.

Respectfully submitted,

COUDERT BROTHERS

By _____
David Chan
Reg. No. 51,540

COUDERT BROTHERS
333 South Hope St., 23rd Floor
Los Angeles, California 90071
(213) 229-2900



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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application No.	10/783,201
				Filing Date	February 19, 2004
				First Named Inventor	Ken Museth
				Art Unit	Not Yet Assigned
				Examiner	Not Yet Assigned
Sheet	1	Of	3	Attorney Docket Number	7975-0050/CIT-3849

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number – Kind Code ² (If known)			
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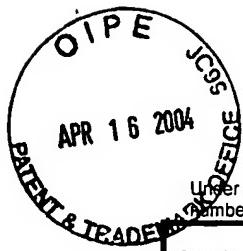
FOREIGN PATENT DOCUMENTS					
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				Filing Date	February 19, 2004
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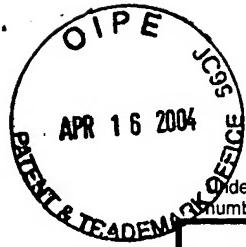
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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		SETHIAN J. A., A Fast Marching Level Set Method for Monotonically Advancing Fronts, Proc. of the National Academy of Science, vol. 93, 1591-1595.	
		ZHAO, H.-K. et al, Fast Surface Reconstruction Using the Level Set Method, Proc. 1 st IEEE Workshop on Variational and Level Set Methods, p 194-202 (2001)	
		PERRY, R. et al, Kizamu: A System For Sculpting Digital Characters, Proc. SIGGRAPH 2001, 47-56 (2001)	
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		JOHNSON, D. et al, A Framework For Efficient Minimum Distance Computations, Proc. IEEE International Conf. Robotics and Automation, 3678-3684 (1998)	
		ARYA, S. et al, An Optimal Algorithm for Approximate Nearest Neighbor Searching in Fixed Dimensions, Journal of the ACM 45, 891-923 (1998)	
		ARYA, S. et al, Algorithms for Fast Vector Quantization, Proc. IEEE Data Compression Conference, 381-390 (1993)	
		WHITAKER, R. et al, Segmentation of Biological Volume Datasets Using a Level-Set Framework, Volume Graphics, K. Mueller and A. Kaufman Eds., Springer, Vienna, 249-263 (2001)	
		WHITAKER, R., A Level-Set Approach to 3D Reconstruction From Range Data, International Journal of Computer Vision 29, 3, 203-231.	
		WHITAKER, R. et al, Level-Set Models for the Deformation of Solid Objects, Proceedings of the 3rd International Workshop on Implicit Surfaces, Eurographics Association, June 1998, pp. 19-35.	
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		WELCH, W. et al, Free-Form Shape Design Using Triangulated Surfaces, In Proc. SIGGRAPH '94, 247-256	
		TAUBIN, G., A Signal Processing Approach to Fair Surface Design, In Proc. SIGGRAPH '95, 351-358	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
		WYVILL, B. et al, The BlobTree, Warping, Blending and Boolean Operations in an Implicit Surface Modeling System, Computer Graphics Forum 18, 2 (June), 149-158		
		DESBURN, M. et al, Animating Soft Substances with Implicit Surfaces, In Proc. SIGGRAPH '95 Conference, 287-290		
		MALLADI, R. et al, Shape Modeling with Front Propagation: A Level Set Approach, IEEE Trans. On Pattern Analysis and Machine Intelligence 17, 2, 158-175		
		WHITAKER R. et al, Variable-Conductance, Level-Set Curvature for Image Denosing, In Proc. IEEE International Conference on Image Processing, 142-145		
		DESBURN, M. et al, Active Implicit Surface for Animation, 1998, Graphics Interface, 143-150		
		FOSTER, N. et al, Practical Animation of Liquids, In Proc. SIGGRAPH 2001, 23-30		
		KOBELT, L. et al, Interactive Multi-Resolution Modeling on Arbitrary Meshes, In Proc. SIGGRAPH '98, 105-114		
		FRISKEN S. et al, Adaptively Sampled Distance Fields: A General Representation of Shape for Computer Graphics, In SIGGRAPH 2000 Proceedings, 249-254		

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